INTERNATIONAL SEARCH REPORT

International Application No PC1/EP2005/002328

A. CLASSIF	FICATION OF SUBJECT MATTER CO7K14/51 CO7K14/47 C	10015/10	C12N15/63	C12N5/10
170 /	ПСАПОN OF SUBJECT MATTER C07K14/51 C07K14/47 C C12P21/00 C07K16/22 A	61K38/18	C17M13/03	OTERO/ TO
According to	International Patent Classification (IPC) or to both nati	onal classification a	ind IPC	
B. FIELDS	SEARCHED	nu elegification cun	obole)	
IPC 7	cumentation searched (classification system followed CO7K C12N C12P A61K	by diassilication syn	ibois)	
Documentat	ion searched other than minimum documentation to the	e extent that such d	ocuments are included. In t	he fields searched
Electronic de	eta base consulted during the international search (na	ne of data base and	d, where practical, search	lerms used)
EPO-In	ternal, BIOSIS, WPI Data, PAG	J, EMBASE,	CHEM ABS Data	, Sequence Search
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropr	iate, of the relevant	passages	Relevant to claim No.
X	DATABASE NCBI from human 7 November 2003 (2003-11-0	17) "Chair	n Δ	1-4,
	structure of the Bone Morn	phogenetic	, ,,	1, 2,
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	XP002297411 Database accession no. 1R	FIIA		
	abstract			
Υ	NICKEL J ET AL: "THE CRY	STAL STRUC	TURE OF	1-6,
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		- /-	_	
X Furt	ther documents are listed in the continuation of box C.		Patent family member	s are listed in annex.
Special ca	ategories of cited documents :	ጥ		after the international filling date
A document defining the general state of the art which is not considered to be of particular relevance			cited to understand the pr invention	conflict with the application but inciple or theory underlying the
			document of particular rela cannot be considered nov	vance; the claimed invention yel or cannot be considered to
"L" document which may throw doubts on priority claim(s) or			involve an inventive step	when the document is taken alone wance: the claimed invention
citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or			cannot be considered to I document is combined wi	nvolve an inventive step when the th one or more other such docu-
other	means nent published prior to the international filing date but		ments, such combination in the art.	being obvious to a person skilled
later	than the priority date claimed	'8'	&' document member of the same patent family	
Date of the	actual completion of the international search		Date of mailing of the inter	mational search repon
	26 April 2005		06/05/2005	
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2		Authorized officer	
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,		Mahit II	
1	Fax (+31-70) 340-3016		Mabit, H	

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT					
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Y	KIRSCH THOMAS ET AL: "Crystal structure of the BMP-2-BRIA ectodomain complex" NATURE STRUCTURAL BIOLOGY, vol. 7, no. 6, June 2000 (2000-06), pages 492-496, XP002297408 ISSN: 1072-8368 cited in the application page S9, column 2, paragraph 1; figure 2a page S12, column 1, paragraph 1	1-6, 14-38			
A	KIRSCH T ET AL: "BMP-2 ANTAGONISTS EMERGE FROM ALTERATIONS IN THE LOW-AFFINITY BINDING EPITOPE FOR RECEPTOR BMPR-II" EMBO JOURNAL, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 19, no. 13, 1 July 2000 (2000-07-01), pages 3314-3324, XP001022147 ISSN: 0261-4189				
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Α	GROPPE JAY ET AL: "Structural basis of BMP signaling inhibition by Noggin, a novel twelve-membered cystine knot protein." THE JOURNAL OF BONE AND JOINT SURGERY. AMERICAN VOLUME. 2003, vol. 85-A Suppl 3, 2003, pages 52-58, XP009036882 ISSN: 0021-9355				
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